State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #_____
HRI #_____
Trinomial_____
NRHP Status Code_____
Other Listings_____
Review Code_____ Reviewer_____ Date_____

Page 1 of 2 **Resource name(s) or number**(assigned by recorder) N-244

P1. Other Identifier: Space Project Facility
***P2. Location:** ☒Not for Publication ☐Unrestricted ***a. County** Santa Clara
***b. USGS 7.5' Quad** San Francisco North, Calif. **Date:** 1995
***c. Address** 590 Hall Road **City** Moffett Field **Zip** 94035
***e. Other Locational Data:**

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries.)

Building N-244 is a two-story concrete office and research laboratory that is rendered in a Modern architectural style. The building is L-shaped in plan and features office and warehouse portions. It has a concrete foundation, concrete exterior, flat roof, and aluminum-sash fixed windows. The office portion features exposed concrete walls, regularly-spaced fenestration with concrete sunshades, and an entrance on Hall Road. The warehouse portion features concrete walls with vertical grooves and a steel overhead door on the west façade. This building has housed solar pointing rocket control simulation test facilities. It is 61,630 sq. ft.

See Continuation Sheet for technical description.

This building appears to be in good condition.

***P3b. Resource Attributes:** (list attributes and codes) HP39 – Other: Research and Labortory.

***P4. Resources Present:** ☒Building ☐Structure ☐Object ☐Site ☐District ☐Element of District ☐Other

P5a. Photo

P5b. Photo: (view and date)
View of south façade (08/04/05)

***P6. Date Constructed/Age and Sources:** 1967

***P7. Owner and Address:**
United States of America as represented by National Aeronautics and Space Administration (NASA)

***P8. Recorded by:**
Page & Turnbull, Inc.
724 Pine Street
San Francisco, CA 94108

***P9. Date Recorded:** 08/04/05

***P10. Survey Type:**
Reconnaissance

***P11. Report Citation:** National Aeronautics and Space Administration, *Technical Facilities Catalog*, Volume 1, publication NHB 8800.5A (1), October 1974; Technical Information Division, Ames Research Center, *Ames Research Facilities Summary,* 1974; Donald D. Baals and William R. Corliss, *Wind Tunnels of NASA,* NASA SP-440, 1981.

***Attachments:** ☐None ☐Location Map ☐Sketch Map ☒Continuation Sheet ☐Building, Structure, and Object Record
☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record
☐Artifact Record ☐Photograph Record ☐ Other (list)

13. SPARCS SIMULATION TEST FACILITIES

DESCRIPTION:

The Solar Pointing Aerobee Rocket Control System (SPARCS) Simulation Test Facility is used in the pre-launch preparation and testing of rocket vehicle experiment payloads. It consists of a vertical and horizontal air bearing, a ground telemetry station, a hybrid analog/digital computer simulation facility, a heliostat, and various solar simulators. The three-axis solar acquisition and the fine pointing performance of rocket payloads are simulated in the vertical and horizontal air bearings. The heliostat provides a beam of sunlight to the SPARCS system while it is mounted in the air bearings. During adverse weather conditions, solar simulators are substituted for the heliostat. The telemetry station provides the means to monitor the up and down data links of the vehicle under test. The computer facility enables the prediction of vehicle pointing and stability performance over a wide range of variables, such as payload mass and launch date and time.

STATUS:

Operational since 1968

JURISDICTION:

Flight Project Development Division
Q. Marion Hansen

LOCATION:

Building N-244